ANGIO-PROTEOMIE
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DATA SHEET

Heat Shock 47kDa Human Recombinant

Item Number	rAP-3411
Synonyms	HSP47, HSP-47, Colligin-1, CBP1, Collagen Binding Protein-1, Serpin Peptidase Inhibitor Clade-H memebr 1, Serpin H1, Collagen-binding protein, Colligin, 47 kDa heat shock protein, Rheumatoid arthritis-related antigen RA-A47, Arsenic-transactivated protein
Description	Recombinant Human HSP47 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 422 amino acids (18-418 a.a) and having a molecular mass of 46.8kDa. HSP47 human recombinant is fused to a 20 amino acid His Tag at N-terminus and purified by convential chromatogrpahy techniques.
Uniprot Accesion Number	P50454
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAAEVKKPAA AAAPGTAEKL SPKAATLAER SAGLAFSLYQ AMAKDQAVEN ILVSPVVVAS SLGLVSLGGK ATTASQAKAV LSAEQLRDEE VHAGLGELLR SLS-NSTARNV TWKLGSRLYG PSSVSFADDF VRSSKQHYNC EHSKINFRDK RSALQSINEW AAQTTDGKLP EVTKDVERTD GALLVNAMFF KPHWDEKFHH KMVDNRGFMV TRSYTVGVMM MHRTGLYNYY DDE-KEKLQIV EMPLAHKLSS LIILMPHHVE PLERLEKLLT KEQLKIWMGK MQKKAVAISL PKGVVEVTHD LQKHLAGLGL TEAIDKNKAD LSRMSGKKDL YLASVFHATA FELDTDGNPF DQDIYGREEL
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SERPINH1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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